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DEVOPS SEMINAR_

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DEVOPS SEMINAR

⚠️ **Slug of the day:** `nsapoold04`

⚠️ This is a continuation from yesterday, so please use the virtual machine server from the previous day.

🔊 download the autograder AMD64 or download the autograder ARM64 on the `vm-server` and use it from there.

ex01 - Backend

The provided backend must be located in `/var/www/backend`.
It must be available, through *Apache2*, on the port `8080`.
You must install the required php modules in order for it to run.
API must be available at `http://localhost:8080/api`

⚠️ You can adapt your dependencies if necessary.

🔊 virtualhost, symfony deployment

ex02 - Admin Security

Inside the admin application provided, you have an administrator section.
This `scriptadmin.php` must be available on `http://localhost:8080/admin`.
This section is not secured and it is accessible by everyone.
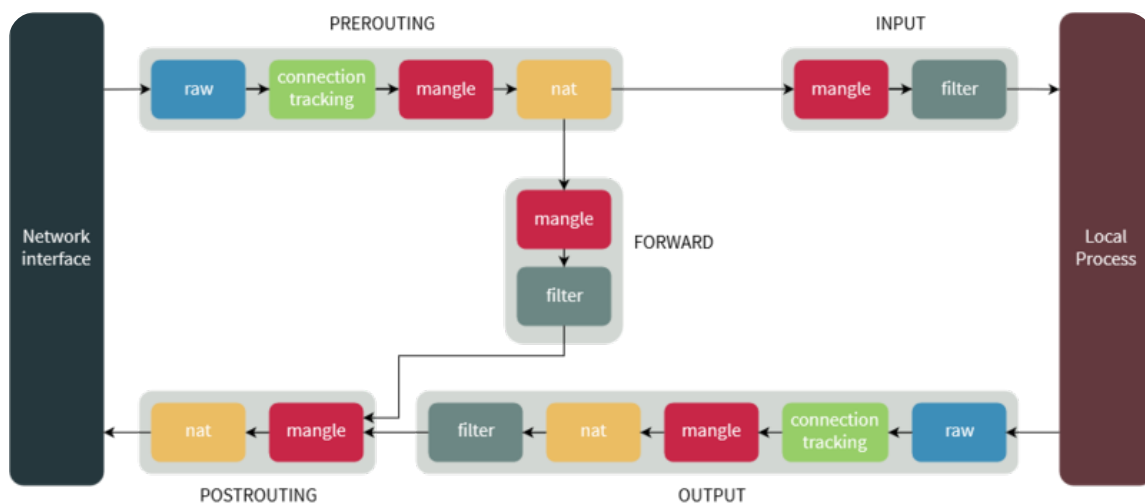You must secure it with *Apache2* features.

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ex03 - Security

Configure the firewall *nftables* with the following characteristics:

- ✓ Rules have to be written in the `/etc/nftables.conf` ;
- ✓ Allow service *ssh* (input and output) ;
- ✓ Allow *HTTP* protocol (output) ;
- ✓ Other authorizations necessary to run frontend and backend ;
- ✓ The other ports must be blocked and *nftables* configurations must not be wiped at reboot.

You must be able to update package (*apt*) after application of theses rules.

ex04 - Local backup

Your mission is to create a script:

- ✓ located in `/backup/backup.sh` ;
- ✓ that backup the database ;
- ✓ and compress it in the `/backup` directory.

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ex05 - Recurring scratches

The previous script must be automatically executed every hour by the user `root`.

ex06 - HTTPS admin

Enable *HTTPS* protocol for admin panel. (see Task 02)

🔊 self-signed certificate

ex07 - END

Eventually, if everything works, a success message is displayed on your front JS app.

🔊 This app has been deployed yesterday.

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